UNIVERSITY OF CALIFORNIA
DEPARTMENT OF BOTANY
BERKELEY

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Dear Munz.-

Got your letter an the MS yesterday afternoon and have been busy on it ever since. I think it is going to be a nice paper when it is completed, and that ought not to be at a far distant date. There are several thing,- I think that we ought to do away with citations for the synonyms and to list the synonyms is a row one after another. They might be given a specieal heading and indivcated as "synonyms". The type loc. heading can just be dropped if you agree. I tried to explain our aims to Dr Hall and he thinks that the changes indicated are for the best. Hall agrees with you on the Illus. and I am content to keep them . What had we better do about the binomial that we accept, are we to give its citation as Schaff. does in his recent paper? I have no decided opinion, but would think that it would not be a bad thing to forget the citation even there. I will let you decide that matter as you think fit.

How about splitting up our key some more and having the genera keyed out under each family heading. The paper then would start out with a key to the families. In the case of ref. to island records. What do you think of discarding some of the Brandegee references? Brandg. just lists Greens records and when he does not give any new dope I think that we had best just give the Green ref. ~~when it is first~~. Of course Brandg. should be cited when he is doing more that just repeating Green; in many instances he is the first to report the species from the islands. Note when you copy and have uniform such abrev. as Herb. Univ Cal and Baker Herb. Some places you give the Herb first and other you give the other. As a rule I would say 3000 ft. alt and not just 3000 ft. For "Paniments" I would say Paniment Mts. I would say Upper Sonoran Zone not Upper Sonoran. These details are just mentioned to call your attention, and probably most of them are your abbreviation in copying.

I think I am right, but check up on a large scale map and see if the low hills south of S Berdoo are not in Riverside rather than In SB Co. If this is so, then the coastal things that get inland to those hills and which have mostly been reported as south of S Berdoo, then do no get in S Berdoo Co at all. This is so with Asplenium and Noth Newberryi.

I can not see where I can fix up the Cheilanthes key any better than it is now. As you say it is none to good. Why are you accepting C Clevelandii from Slover Mt and throwing out all of the other Tracy records? I sprung all those Tracy "Slover Mt " gatherings on Parish who says that he has combed that hill fine and has awful doubts that the Sleag. or Cheil Clev. or Noth. Parryi came from there. If you possibly can try and get over there and see for your self. Got a letter from Pfeiffer who say that she is too busy to tend to us now. I am satsfied however to let our treatment stand as it is. I asked Mr Brand to day about the San Dieg. Isoetes and he says that he has only got it in in pool as at Red Hill. I somewhere got the idea that he got specimens back of the dam at Sweetwater, but he say not and that he has seen it only in shallow pools on the mesas. I am content with the Equisetums as written up. We must accept robustum because it is the oldest varietal name used for the concept. There is no priority between categories so the fact that praealtum is much older as a species, does not influence the use of robustum as a var. What do you think of incorporating Scahaff key to Funst Llaevig & kan in our discuss so that it is handy. It can be introduce by a sentance.

Now as regards the Selaginellas. I wish you would try and get Saunders to let you borrow that specimen upon which asprella is to be reported from the San Berdoo Mts. I believe the key needs some doctoring as material up here seems to show that Watsoni has short setae. It looks as tho it ought to be taken out also with leucobryoides which could be easily done by contrasting their color range and habit, perhaps spores. You have much more and better matierial at the College than I have available here at the University.

I dont know why Maxon does not use Thelypteris but I do not see any reason why we should not. The name is accepted by Frenald and the case seen so clear that I dont see why we should hesitate.

I have dug up another specimen of lady fern from the S Berdoo Mts and find that it is the same thin broad thing as the island plant and the thing Eaton calls var normalis. The strict narrow firm form from the mts is Eaton's angustata. Butters has turned thing so completely over in Athyrium that I do not think we had better mention names of these forms. I have writen what I think is needed on the reverse of the MS sheets. Wish you would try and find whether the broad thin lax form is present in San Jacks. I have written it up as if it occousr only in S Berdo Mts and on the island.

In the MS I have used my pen freely when I thot that clearer statments could be gotten by a rearrangement of phrases or by rewording etc. The whole point is not to have too long nor too complex and overly punctuated sentences.

Dont bother about varifying the references, for I can at least do that after the final copy is made

I will write up an account of Polypodium and send it to you. Mrs Hall has taken a new slant on the problem and is finding that there are a ½ doz or more good vars in P calif. I have been after her to get a paper out but I am afried that she will be a long time doing it. I will however do the best that I can. I intend to have Dr Hall take the MS home with him tonight and so get Mrs H's notes. Mr Parish said it was a nice paper, as he would say in any case, but ventured no further comment.

I am glad to hear that you have actually written to Abrams. Dr Hall was down to Standford early this week and he said that Abrams, after bringing up the topic of you and the S.C. flora, seems to think that there would be no great difficulty in you and he getting together. Acc. to Dr H. Abrams it not crazy on the Amer Code and, being on the Commission that is attempting a compromise "type" code, seem to favor in fact the Internat. Rules. I certaily do hope that you and he can get together and that you will be able to untertake the revision of the L A Flora. I certainly envy you for it ought to be wonderful fun to rewrite the LA Flora and to make it really representative and reasonably complete. If you do undertake the job, do oh do test out your keys and check up you descriptions with plants out in the field. Flower color, habit, and habitat are best gotten out of door and in most closet-writtn floras are consequently misdescribed. You can write the paper and find the plant near by, and please dont miss the opportunity to see how your words fit the living plant. I am certainly pleased that Abrams has come across with his offer and I do hope that you can accept it.

Your afterthot on the outside of your recent letter entirely reconciles me to the arduous and unappreciated role of junior author. Well so long, I will try and get the MS back to you early next week,

With best of regards,

Ivan M.